APPLN. OF: FERRAND ET AL

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FOR: PASSIVE Q-SWITCHED MICROLASER WITH CONTROLLED POLARISATION AND DOCKET: PREVIOUS

DOCKET: BREV 12923

BOX PATENT APPLICATION The Commissioner of Patents & Trademarks Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Applicants respectfully request that you make the following amendments prior to examination.

IN THE CLAIMS:

17.

Please cancel claims 1-16.

Please add new claims 17-32 as follows:

Laser with controlled polarization cavity containing a substrate made of a doped or undoped laset material $Y_3Al_5O_{12}$ (YAG) on which active monocrystalline layer of saturable absorbent material made of doped YAG is deposited directly by liquid phase epitaxy or by \a similar process, in which the said active laser material has a [100] orientation, and the said monocrystalline layer of saturable absorbent

Laser cavity according to claim 17, in which the 18. said monocrystalline layer of doped saturable absorbent material is obtained by liquid phase epitaxy (LPE).

material is deposited with the same [100] orientation.

Cavity according to claim 17, in which the substrate is a YAG active laser material, doped by one or several doping ioh(s) that confer active laser material properties on 1t, and for example chosen among the Nd, Cr, Er, Yb, Ho, 1m, and Ce ions.

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